



राजपत्र, हिमाचल प्रदेश

हिमाचल प्रदेश राज्य शासन द्वारा प्रकाशित

शिमला, सोमवार 17 दिसम्बर, 2012/26 अग्रहायण, 1934

हिमाचल प्रदेश सरकार

HIGH COURT OF HIMACHAL PRADESH, SHIMLA

NOTIFICATION

Shimla, 10th December, 2012

No. HHC/Admn.3 (335)/92.—09 days earned leave on and w.e.f. 19.11.2012 to 27.11.2012 with permission to prefix Sunday falling on 18.11.2012 and suffix Gazetted holiday on 28.11.2012, is hereby sanctioned, *ex-post-facto*, in favour of Sh. Ramesh Chand, Secretary of this Registry.

Certified that Sh. Ramesh Chand has joined the same post and at the same station from where he had proceeded on leave after the expiry of the above leave period.

Certified that Sh. Ramesh Chand would have continued to officiate the same post of secretary, but for his proceeding on leave.

By order,
Sd/-
Registrar General.

HIGH COURT OF HIMACHAL PRADESH, SHIMLA-171001**NOTIFICATION***Shimla the 10th December, 2012*

No. HHC/Admn. 6 (23)/74-XIV.—Hon'ble the Chief Justice in exercise of the powers vested in him under Rule 2 (32) of Chapter I of H.P. Financial Rules, 2009, has been pleased to declare the Civil Judge (Junior Division)-cum-JMIC, Chachiot at Gohar as Drawing and Disbursing Officer in respect of the Court of Civil Judge (Junior Division)-cum-JMIC, Karsog and also the Controlling Officer for the purpose of T.A. etc. in respect of establishments attached to the aforesaid Court under head "2014-Administration of Justice" during the earned leave period of Shri Surya Prakash, Civil Judge (Junior Division)-cum-JMIC, Karsog w.e.f. 10.12.2012 to 15.12.2012 with permission to prefix Second Saturday and Sunday falling on 8.12.2012 and 9.12.2012 and to suffix Sunday falling on 16.12.2012 or until he returns from leave.

By order,
Sd/-
Registrar General.

HIGH COURT OF HIMACHAL PRADESH, SHIMLA**NOTIFICATION***Shimla, 13th December, 2012*

No. HHC/Estt.3 (509)/2000.—07 days earned leave on and w.e.f. 14.12.2012 to 20.12.2012 is hereby sanctioned in favour of Shri Subhash Sharma, Secretary of this Registry.

Certified that Shri Subhash Sharma is likely to join the same post and at the same station from where he proceeds on leave after the expiry of the above leave period.

Certified that Shri Subhsah Sharma would have continued to officiate the same post of Secretary but for his proceeding on leave.

By order,
Sd/-
Registrar General.

HIGH COURT OF HIMACHAL PRADESH, SHIMLA**NOTIFICATION***Shimla, 11th December, 2012*

No. HHC/Admn.3 (230)/86-I.—10 days earned leave on and w.e.f. 13.12.2012 to 22.12.2012 with permission to suffix Sunday falling on 23.12.2012 is hereby sanctioned, in favour of Shri. Vijay Chand Verma, Court Master of this Registry.

Certified that Shri. Vijay Chand Verma, Court Master is likely to join the same post and at the same station from where he proceeds on leave after the expiry of the above leave period.

Certified that Shri. Vijay Chand Verma would have continued to officiate the same post of Court Master, but for his proceeding on leave.

By order,
Sd/-
Registrar General.

HIGH COURT OF HIMACHAL PRADESH, SHIMLA

NOTIFICATION

Shimla, 11th December, 2012

No. HHC/Admn..3 (398)/95.—06 days earned leave on and w.e.f. 21.12.2012 to 26.12.2012 is hereby sanctioned in favour of Shri M.L.Gandhi, Secretary of this Registry.

Certified that Shri M.L.Gandhi is likely to join the same post and at the same station from where he proceeds on leave after the expiry of the above leave period.

Certified that Shri M.L.Gandhi would have continued to officiate the same post of Secretary, but for his proceeding on leave.

By order,
Sd/-
Registrar General.

HIGH COURT OF HIMACHAL PRADESH, SHIMLA-171 001

OFFICE ORDER

Shimla, the 12th December, 2012

No. HHC/GAZ/14-180/87/Inquiry-2011.—In continuation of this Registry office order No. HHC/GAZ/14-180/87/Inquiry-2011-29964-74, dated 14.10.2011, the Hon'ble High Court has been pleased to regularize the period of suspension of Sh. Rajan Gupta, the then Additional District and Sessions Judge, Una, presently posted as Presiding Officer, Labour Court/Industrial Tribunal, Kangra at Dharamshala, for all purposes, including salary, as a special case.

**BY ORDER OF THE HON'BLE HIGH COURT
OF HIMACHAL PRADESH.
REGISTRAR GENERAL**

TRANSPORT DEPARTMENT**NOTIFICATION***Shimla-2, 29th Febuary, 2012*

No. TPT-C(9)-8/2002.—The Governor, Himachal Pradesh, in exercise of the powers conferred by sub section (6) of Section -41 of the Motor Vehicles Act,1988 (No. 59 of 1988) and all other powers enabling him in this behalf is pleased to allot/release registration marks/number from Serial No. 0001 to 9999 under the Registration marks **HP-15-D** to Registering and Licensing Authority, **Parwanoo** Distt Solan Himachal Pradesh, for registration of motor vehicles, with immediate effect.

By order,
Sd/-
Principal Secretary (Transport).

DEPARTMENT OF TRANSPORT**NOTIFICATION***Shimla-2, 14th December, 2012*

No. TPT-C(9)-8/2002.—The Governor, Himachal Pradesh, in exercise of the powers conferred by sub section (6)of Section -41 of the Motor Vehicles Act,1988(No.59 of 1988)and all other powers enabling him in this behalf is pleased to allot/release registration marks/number from Serial No. 0001 to 9999 under the Registration marks **HP-12-F** to Registering and Licensing Authority, **Nalagrah** Distt Solan Himachal Pradesh, for registration of motor vehicles ,with immediate effect.

By order,
Sd/-
Secretary (Transport).

THE HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION, SHIMLA**NOTIFICATION***Shimla, the 17th December, 2012*

No. HPERC/428.—WHEREAS an adequate updated regulatory framework sensitive to the requirements of various stakeholders is required to be in place to optimally harness the potential of renewable sources, especially the small hydro, in Himachal Pradesh;

AND WHEREAS in accordance with the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Co-generation by Distribution Licensee) Regulations, 2007 the tariff and other related issues for SHPs upto 5 MW were determined through an Order dated 18th December, 2007;

AND WHEREAS the existing Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Co-generation by Distribution Licensee) Regulations, 2007, specify that the tariff for SHPs not exceeding 5 MW capacity is subject to review after every 5 years;

AND WHEREAS in view of the changing circumstances and experiences gained over the years, it is felt that the existing regulations require substantial updation and rationalization and, therefore, it has become necessary to put in place a new set of regulations in respect of renewable energy sources in the State of Himachal Pradesh;

AND WHEREAS the Commission, as required under sub-section (3) of section 181 of the Electricity Act, 2003 (Act No. 36 of 2003) and read with rule 3 of the Electricity (Procedure for Previous Publication) Rules, 2005, has published the draft regulations in the Rajpatra, Himachal Pradesh, dated 27th July, 2012 and uploaded on the Commission's Website for the information of all the persons likely to be affected and also invited, within 30 days from the aforesaid publication in the Rajpatra, Himachal Pradesh, the public objections/suggestions by way of insertions in newspapers "The Tribune" and "Amar Ujjala" dated 29th July, 2012 having circulation in the State of Himachal Pradesh. The said period of 30 days allowed for submission of objections and suggestion, was further extended upto 15th Oct., 2012. The suggestions/objections received in respect to the draft regulations have been duly taken into consideration;

NOW, THEREFORE, the Himachal Pradesh Electricity Regulatory Commission, in exercise of the powers conferred under section 61, sub-section(1) of section 62, clauses (a), (b) and (e) of sub-section(1) of section 86 and clause (zd) of sub-section(2) of section 181 of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, hereby makes the following regulations, namely :-

REGULATIONS

CHAPTER-I

PRELIMINARY

1. **Short title and commencement.**—(1) These Regulations may be called the Himachal Pradesh Electricity Regulatory Commission (Promotion of Generation from the Renewable Energy Sources and Terms and Conditions for Tariff Determination) Regulations, 2012.

(2) These Regulations shall come into force on 18.12.2012, and unless reviewed earlier or extended by the Commission, shall remain in force till 31.3.2017.

2. **Definitions and Interpretation.**—(1) **In these Regulations, unless the context otherwise requires,-**

(a) **'Act'** means the Electricity Act, 2003 (36 of 2003);¹

(b) **'Auxiliary energy consumption'** or 'AUX' in relation to a period in case of a project means the quantum of energy consumed by auxiliary equipment of the generating station, and transformer losses within the generating station and/or switchyard thereof, expressed as a percentage of the sum of gross energy generated at the renewable energy generator terminals of all the units of the generating station;

(c) **'Capital cost'** means the capital cost as defined in regulation 20;

- (d) **'Commission'** means the Himachal Pradesh Electricity Regulatory Commission referred to in sub-section (1) of section 82 of the Act;
- (e) **'Conduct of Business Regulations'** means the Conduct of Business Regulations specified by the Commission under sub-section (1) of section 92 of the Act;
- (f) **'Control period or review period'** means the period during which the norms for determination of tariff specified in these Regulations shall remain valid;
- (g) **'Date of commencement of operation of the project'** means the date on which the first unit of the project is synchronized with the grid for the first time;
- (h) **'Renewable energy generator'** means the person(s) generating or intending to generate energy, including cogeneration, from renewable energy sources;
- (i) **'HIMURJA'** means the Himachal Pradesh Energy Development Agency set up by the State Government for the development of the renewables;
- (j) **'Installed capacity'** or **'IC'**, for the purpose of tariff determination, means the summation of the name plate capacities of all the units of the generating station, (reckoned at the renewable energy generator terminals), or the capacity for which the renewable energy generator has executed implementation agreement with the State Government, whichever is higher;
- (k) **'Interconnection facilities'** means all the facilities and works which shall include, without limitation, switching equipment, protection control and metering devices etc. and all the associated works (also including civil and electrical works), for the incoming bay(s) for the project line(s) at the interconnecting sub-station of the licensee and shall also include any other works like re-organisation of bays at the interconnecting sub-station and associated civil works as may be required for facilitating the said incoming bays;
- (l) **'Inter-connection point'** means the physical touch point where the project line(s) and the allied equipments of the interconnection facilities, forming part of the renewable energy project, are connected, or are to be connected, with the transmission system or distribution system, in accordance with the interconnection agreement/connectivity agreement or power purchase agreement or the power system master plan/sub-plan of the State Transmission Utility/distribution licensee, as may be relevant;
- (m) **'Licensee'** means a person to whom a licence has been granted or deemed to have been granted by Commission under Section 14 of the Act;
- (n) **'MNRE'** means the Ministry of New and Renewable Energy of the Government of India;
- (o) **'Net saleable energy'** in relation to a period and in respect of a project, means the quantum of energy available for sale from that project at the interconnection point in that period, after allowing auxiliary consumption,

transformation losses in the transformers at the generating station and its switchyard, the losses in project line(s) upto the interconnection point and free power, if any, to the State Government;

- (p) **‘Non fossil fuel based co-generation’** means the process in which more than one form of energy (such as steam and electricity) are produced in a sequential manner by use of biomass provided the project may qualify to be a co-generation project if it fulfills the eligibility criteria as specified in clause (d) of Regulation 4;
- (q) **‘Operation and maintenance expenses’ or ‘O&M expenses’** means the expenditure incurred on operation and maintenance of the project, or part thereof, and includes, without limitation, the expenditure on manpower, establishment (including employees expense, administrative and general expenses), repairs, spares, consumables, insurance and overheads as well as the taxes, duties and other levies on any or all such activities;
- (r) **‘Project’** means a generating station alongwith generator/ step up transformers at power house switchyard, the evacuation system upto the interconnection point, including interconnection facilities, and in the case of a small hydro generating station includes, without limitation, all components of generating facility such as dam, intake water conductor system, power generating station and generating units of the scheme, as apportioned to power generation in addition to the project line(s) and the interconnection facilities;
- (s) **‘Project line’** means the evacuation infrastructure from the generating station to the interconnecting sub-station of the licensee, to be provided, operated and maintained as a part of the project by the renewable energy generator(s) for the purpose of evacuation of power from the project;
- (t) **‘Renewable energy’** means the grid quality electricity generated from renewable energy sources;
- (u) **‘Renewable Energy Certificate mechanism’ or ‘REC mechanism’** means the mechanism devised for the development of market in power from non-conventional energy sources by issuance of transferable and saleable credit certificates under the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010, and the Himachal Pradesh Electricity Regulatory Commission (Renewable Power Purchase Obligation and its Compliance) Regulations, 2010;
- (v) **‘Renewable energy sources’** means renewable sources of energy such as small hydro, wind, solar including its integration with combined cycle, biomass, bio fuel cogeneration, urban or municipal waste and other such sources as approved by the MNRE;
- (w) **‘Small Hydro Project’ or ‘SHP’** means a hydro power project with a station capacity up to and including 25 MW and shall also include the project line(s) and the Interconnection Facilities.;
- (x) **‘Solar PV power’** means the Solar Photo Voltaic power project that uses sunlight for direct conversion into electricity through Photo Voltaic technology;

- (y) **'Solar thermal power'** means the solar thermal power project that uses sunlight for direct conversion into electricity through concentrated solar power technology based on either line focus or point focus principle;
- (z) **'Tariff period'** means the period for which tariff is to be determined by the Commission on the basis of norms specified under these Regulations;
- (aa) **'Useful Life'** in relation to a project shall mean the useful life of the following duration from the date of commencement of operation of the project, namely:-
- | | |
|---|-------------------------------------|
| (a) Wind energy power project | 25 years |
| (b) Biomass power project, non-fossil fuel based cogeneration | 20 years |
| (c) SHPs | 40 years |
| (d) Solar PV/Solar thermal power plant | 25 years |
| (e) any other renewable energy technology approved by the MNRE; | as may be fixed under regulation 17 |
- (ab) **'Year'** means a financial year.

(2) The words and expressions used in these Regulations and not defined herein, but defined in the Act or the regulations issued by the Commission, shall have the meanings assigned to them in the Act or in such regulations issued by the Commission; the words and expressions used herein but not specifically defined in these Regulations or in the Act, but defined under any law, passed by a competent Legislature and applicable to the electricity industry in the State, shall have the meanings assigned to them in such law; the words and expressions used herein, but not specifically defined in the Regulations or in the Act or any law passed by a competent Legislature, shall have the meaning as is generally assigned to them in the electricity industry.

3. Scope and extent of application.—(1) Save as provided in sub-regulations (2) and (3), these Regulations shall apply in all cases where tariff, for a project based on renewable sources of energy, is to be determined by the Commission under section 62, read with section 86, of the Act:

Provided that in cases of wind, SHPs, biomass power based on Rankine cycle, non-fossil fuel based cogeneration projects, Solar PV, solar thermal power projects, biomass gasifier and biogas power projects, these Regulations shall apply subject to the fulfilment of eligibility criteria specified in regulation 4.

(2) These Regulations shall not apply in the following cases:-

- (i) where long term agreement for disposal/use of energy have either already been signed by the renewable energy generator or have been approved by the Commission and the capacity of the project has not been enhanced subsequent to signing/approval of such agreement;
- (ii) projects upto 100 kW, for which the Commission may determine tariff through a separate order;
- (iii) where the tariff for a generating station or a unit has been determined through transparent process of bidding in accordance with the guidelines issued by the Central Government.

(3) Notwithstanding anything contained in sub-regulations (1) and (2)-

- (a) where long term agreements have been executed between the renewable energy generators and the licensee, before the setting up of the Commission, the provisions of such agreements shall continue to be applicable;
- (b) where, after the setting up of the Commission, the power purchase agreement has been approved by the Commission prior to the commencement of these regulations, the tariff shall be in accordance with the terms and conditions of such approved power purchase agreement read with the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Cogeneration by Distribution Licensee), Regulations, 2007, irrespective of the date on which such agreement is actually executed.

4. Eligibility Criteria.—A project shall be eligible for being considered to be based on renewable sources of energy on the fulfillment of the following criteria:-

- (a) **Wind power project.**— using new wind turbine renewable energy generators.
- (b) **Small hydro project.**— located at the sites approved by the State Government or its agency; using new plant and machinery; and the installed power plant capacity to be lower than or equal to 25 MW at single location.
- (c) **Biomass power project based on Rankine cycle technology.**—Biomass power projects using new plant and machinery based on Rankine cycle technology and using biomass fuel sources, provided use of fossil fuel is restricted only up to 15% of total fuel consumption on annual basis.
- (d) **Non-fossil fuel based co-generation project.**—The project shall qualify to be termed as a non-fossil fuel based co-generation project, if it is using new plant and machinery and is in accordance with the definition and also meets the qualifying requirement outlined below:-

Topping cycle mode of co-generation.—Any facility that uses non-fossil fuel input for the power generation and also utilises the thermal energy generated for useful heat applications in other industrial activities simultaneously:

Provided that for the co-generation facility to qualify under topping cycle mode, the sum of useful power output and one half the useful thermal output be greater than 45% of the facility's energy consumption, during season.

Explanation. - For the purposes of this clause-

- (i) 'Useful power output' is the gross electrical output from the renewable energy generator. There will be an auxiliary consumption in the cogeneration plant itself (e.g. the boiler feed pump and the FD/ID fans). In order to compute the net power output it would be necessary to subtract the auxiliary consumption from the gross output. For simplicity of calculation, the useful power output is defined as the gross electricity (kWh) output from the renewable energy generator.

- (ii) ‘Useful thermal output’ is the useful heat (steam) that is provided to the process by the cogeneration facility.
- (iii) ‘Energy consumption’ of the facility is the useful energy input that is supplied by the fuel (normally bagasse or other such biomass fuel).
- (iv) ‘topping cycle’ means a cogeneration process in which thermal energy produces electricity followed by useful heat application in industrial activities.
- (e) **Solar PV and Solar Thermal Power Project.** – Based on Technologies approved by the MNRE.
- (f) **Biomass Gasifier based Power Project.**– The project shall qualify to be termed as a biomass gasifier based power project, if it is using new plant and machinery and having a grid connected system that uses 100% producer gas engine, coupled with gasifier technologies approved by the MNRE.
- (g) **Biogas based Power Project.**– The project shall qualify to be termed as a biogas based power project, if it is using new plant and machinery and having grid connected system that uses 100% biogas fired engine, coupled with biogas technology for co-digesting agriculture residues, manure and other bio-waste as may be approved by the MNRE.

CHAPTER-II

PROMOTION OF GENERATION FROM RENEWABLE ENERGY SOURCES

5. Promotion of renewable energy sources.—(1) Any renewable energy generator who does not have an arrangement for disposal/use of energy from his project may, with prior consent of the licensee and approval of the Commission, enter into a power purchase agreement, on long term basis or under the REC mechanism, with the distribution licensee as per the provisions of the relevant applicable regulations, read with regulation 3, or the renewable energy generator may have open access to transmission system and/or distribution system of the licensee, as the case may be, in accordance with the Himachal Pradesh Electricity Regulatory Commission (Grant of Connectivity, Long-term and Medium-term Intra-State Open Access and Related Matters) Regulations, 2010.

(2) The renewable energy generator, to whom connectivity with the transmission or distribution system of the licensee has not already been granted, shall apply for connectivity to the licensee at least 24 months prior to intended date of such connectivity or within such time frame as may be mutually agreed:

Provided that in case of renewable technologies other than SHPs, such application may be made at least 12 months prior to the intended date of such connectivity or within such time frame as may be mutually agreed.

(3) The licensee may, on receipt of the application, grant its approval to provide interconnection point as per the power system master plan/sub-plan, as devised by the State Transmission Utility (STU)/ distribution licensee for various capacities of projects, duly keeping in view the provisions in the agreements already executed or the mutual acceptance between the licensee and the renewable energy generator.

- (4) The renewable energy generator shall, soon after finalisation of the interconnection point or immediately in cases where the same has already been finalised, execute an interconnection agreement with the State Transmission Utility and/or the intra-State transmission licensee and /or distribution licensee owning the system where connectivity is to be provided.
- (5) The licensee shall, after receipt of the estimated cost of the interconnection facilities, provide appropriate facilities consistent with the grid connectivity standards laid down by the Authority or as specified in the relevant Code-
 - (i) in case where such facilities are to be provided at an existing sub-station, within a period of 12 months or as may be agreed otherwise; and
 - (ii) in case of the new sub-station, within such period as may be mutually agreed keeping in view the time frame in which such new sub-station is to be commissioned:

Provided that the renewable energy generator shall give prior intimation, at least 4 months before the expected date of commencement of operation of the project, to the licensee about his intention and readiness to inject power and also regarding the arrangements finalised by him for disposal of power beyond the interconnection point:

Provided further that the renewable energy generator will have to comply with the connectivity standards and the conditions as specified in the State Grid Code /Indian Electricity Grid Code (IEGC) – 2010, the Electricity Distribution Code and/or any other Standards/Codes as may be relevant.

- (6) In order to optimise the use of limited transmission/sub-transmission corridors or the limited space at the sub-stations of the licensee, the renewable energy generators may, with the approval of the licensee, enter into a suitable arrangement for joint project line(s) for two or more projects and inject power into the grid through the joint evacuation system in accordance with the principles laid down, from time to time, by the Commission.
- (7) Notwithstanding anything in the preceding sub-regulation (6)_where there are right of way problems or there are space limitations at the sub-station of the concerned licensee, the licensee may require the renewable energy generators to enter into suitable arrangement for joint project line(s) for two or more projects and inject power into the grid through the joint evacuation system.
- (8) The renewable energy generators may, in consultation with and also with the prior approval of the licensee, augment or establish, on behalf of the licensee, the transmission/distribution system beyond the interconnection point, on build and transfer basis, as per best industry practices and the expenditure so incurred by the renewable energy generators and approved by the licensee shall be repaid by the licensee, alongwith interest, in five equal installments, spread over a period not exceeding 5 years commencing from one year after the date of commissioning of such works, and such expenditure shall be allowed as a pass through to the licensee:

Provided that if such works are not a part of the Capital Expenditure Plan (CAPEX PLAN) approved by the Commission, then the necessary approval for the CAPEX PLAN

for the same shall be obtained by the licensee from the Commission before according approval to any such arrangement.

6. Grid Connectivity.—Mechanism for grid connectivity shall be as under-

- (a) the renewable energy generator shall construct, operate and maintain the project line(s) at his cost;
- (b) the licensee shall, at the cost of renewable energy generator, provide, operate and maintain the interconnection facilities;
- (c) the transmission licensee and/or the distribution licensee shall bear the cost of augmentation/establishment of network beyond the inter-connection point under the CAPEX PLAN and the new or the augmented network shall form part of the assets of the transmission or the distribution licensee, as the case may be.

7. Coordination committee.—The Commission may constitute a coordination committee to facilitate coordination among the State Transmission Utility, transmission licensee, distribution licensee, HIMURJA and Directorate of Energy of the State Government for evacuating power from renewable energy projects.

CHAPTER-III

TARIFF DETERMINATION

GENERAL PRINCIPLES

8. Power Purchase Agreement.—(1) In case of the projects covered under these Regulations, the renewable energy generator or the distribution licensee may offer to sell/purchase power in any of the following manner:-

- (i) for the entire tariff period starting from the date of commencement of operation of the project, by availing any of the available tariff option under regulation 12;
- (ii) for the mutually agreed period(s) under the REC mechanism;
- (iii) for the balance part of the tariff period, after having sold power initially under the REC mechanism, in accordance with the provisions of regulation 15;
- (iv) in any other manner as may be mutually agreed in accordance with provisions of these Regulations:

Provided that the distribution licensee shall endeavour to procure power through competitive bidding, which, to start with, may be done separately for each type of renewable technology.

(2) In the event of their arriving at a mutual understanding on various issues of the Power Purchase Agreement, including the tariff option under regulation 12, the parties shall file a joint petition before the Commission for approval of the proposed Power Purchase Agreement and shall execute the requisite Power Purchase Agreement after approval of the Commission:

Provided that if the parties have arrived at a mutual understanding on the various issues of the Power Purchase Agreement, as aforesaid, and the renewable energy generator requires a Power Purchase Agreement to achieve the financial closure of the project, the parties may file joint petition for approval of the proposed Power Purchase Agreement before the financial closure.

9. Control period or review period.—(1) The control period for the SHPs under these Regulations shall start from the 18th day of December, 2012 and shall end on the 31st day of March, 2017:

Provided that the technology specific parameters for the renewable energy sources, other than SHPs, may be fixed for such durations and reviewed at such intervals, as the Commission may find appropriate in accordance with regulation 17.

(2) The tariff(s) determined under these Regulations for the renewable energy generation project(s) or for a category thereof, to which these Regulations are applicable, shall, unless amended or revised under regulation 19, continue to be applicable till the expiry of the tariff period as specified in regulation 10.

(3) The revision of the Regulations for the next control period shall be undertaken six months prior to the end of the control period and in case the revised Regulations are not notified before the end of the control period, the tariff norms laid down under these Regulations shall, subject to adjustments under the revised Regulations, continue to remain applicable until the notification of the revised Regulations.

10. Tariff period.—The duration of tariff period in case of SHPs shall be 40 years and for other renewable technologies the Commission may fix the same under regulation 17.

11. Tariff design.—(1) The single part levellised tariff structure shall be followed for the renewable energy technologies:

Provided that for renewable energy technologies having fuel cost component, like biomass power projects and non-fossil fuel based cogeneration, single part tariff with two components, i.e. fixed cost component and fuel cost component, shall be determined.

(2) The following fixed cost components shall be included for determining the tariff:-

- (a) Return on equity;
- (b) Interest on loan capital;
- (c) Depreciation;
- (d) Interest on working capital; and
- (e) Operation and maintenance expenses.

(3) The generic or project specific tariff shall be determined on levellised basis for the tariff period:

Provided that tariff for renewable energy technologies, having single part tariff with two components, referred to in the proviso to sub-regulation (1), shall be determined on levellised basis for the tariff period in respect of the fixed cost component and the fuel cost component shall be specified on year of operation basis.

(4) For the purpose of levellised tariff computation, the discount factor equivalent to the post tax weighted average cost of capital shall be considered.

12. Tariff options/applicability.—(1) The following tariff options, subject to mutual acceptance of both the parties, shall be available to the renewable energy generator and the distribution licensee, intending to sell/ purchase power from SHPs for the entire useful life of the project ,-

- (i) to be governed by the generic levellised tariff to be determined by the Commission, in accordance with the regulation 13, in relation to the control period in which the Power Purchase Agreement for the project is approved.
- (ii) to be governed by project specific levellised tariff to be determined by the Commission in accordance with the regulations 14 and 18, including the exit options available thereunder to the parties,
- (iii) to be governed by any other tariff, as may be mutually agreed by them with the prior approval of the Commission, in accordance with the regulation 41.
- (iv) to be governed by the process of competitive bidding in cases where the licensee resorts to competitive bidding.

(2) Where, after sale of net saleable energy to the licensee as per the Power Purchase Agreement(s) approved by the Commission under REC mechanism in the initial periods, the net saleable energy is to be sold to the distribution licensee for the residual period of the useful life of the project, the tariff for such sale for such residual period shall be regulated in accordance with the regulation 15.

(3) Where, after execution of a long term Power Purchase Agreement, the capacity of the project is enhanced with the approval of the State Government, the tariff shall be regulated under regulation 16.

(4) In case of the renewable energy sources, other than SHPs, the tariff options, as provided in regulation 17, shall be available to the parties intending to enter into Power Purchase Agreement for sale/purchase of power.

(5) The parties shall, while arriving at a mutual understanding about sale/purchase of power, also mutually decide the tariff option to be adopted, and shall, before submitting the joint petition for approval of the proposed Power Purchase Agreement under regulation 8, also reflect the same in the proposed Power Purchase Agreement:

Provided that the tariff option adopted in the Power Purchase Agreement shall be irrevocable and binding.

13. Generic levellised tariff.—(1) The Commission shall determine separate generic levellised tariffs and associated terms and conditions for each category of SHPs mentioned in regulation 32, within 90 days from the date of commencement of these Regulations by taking into account the norms specified under these Regulations:

Provided that in case of renewable energy technologies, other than SHPs, the Commission may fix the generic levellised tariffs in accordance with the regulation 17.

(2) The tariff being normative, any shortfall or gain due to performance or any other reasons is to be borne/retained, as the case may be, by the renewable energy generator and no true up of any parameter, including additional capitalisation for whatsoever reasons, shall be taken up during the validity of the tariff except for the specific provisions in these Regulations.

(3) Where the parties have, as per the Power Purchase Agreements executed by them, opted for generic levellised tariff or the same is otherwise applicable under regulation 15, the

generic levellised tariff determined in relation to the control period under sub-regulations (1) shall be applicable for all the projects of that category for which the Power Purchase Agreements are approved by the Commission in that control period.

14. Project specific levellised tariff.—(1) Where the parties have mutually agreed, in the Power Purchase Agreement executed by them, for a project specific levellised tariff, the Commission shall determine such tariff taking into consideration-

- (i) prudent capital cost as may be admitted by the Commission duly keeping in view normative capital cost under these Regulations, the cost approved in the Detailed Project Report, the actual expenditure incurred as per auditor's certificate, the information furnished under regulation 18:

Provided that in case of delay in execution of the project, the Commission shall consider the time over run cost as follows -

- (a) where the delay is due to factors entirely attributable to the renewable energy generator, the entire cost shall be borne by the renewable energy generator;
- (b) where the delay is due to force majeure, the Commission may allow the net additional cost incurred on this account to the renewable energy generator: and
- (c) in a situation not covered under clauses (a) and (b), the Commission may allow the additional cost, not exceeding 50% of the net additional cost incurred due to time overrun:

Provided further that the renewable energy generator shall be deemed to have subscribed to the requisite insurance policies covering the risks during construction stage and also to have stipulated provisions for the liquidated damages in the contracts relating to the construction of the project, awarded by him, as per the prudent practices, and accordingly, in case of any time and cost over runs, the Commission shall not allow any amount which is or would have been recoverable by him on account of such deemed provisions for Insurance and liquidated damages:

Provided further that any cost pertaining to allotment of the project, including upfront premium and any other amount charged by the State Government while granting extension or capacity enhancement or/and any liquidated damages/penalty imposed in accordance with the Power Purchase Agreement executed with the licensee, will not form part of the capital cost;

- (ii) the normative annual capacity utilisation factor specified under Chapter-V of these Regulations for the SHPs or the annual capacity utilisation factor worked out on the basis of data for 75% dependable year as per the approved Detailed Project Report, whichever is higher;
- (iii) the technology specific parameters as specified for the SHPs in Chapter V of these Regulations and as may be laid down by the Commission for the other renewable technologies as per regulation 17; and
- (iv) the ceiling norms, except for capital cost, as specified in Chapter-IV of these Regulations:

Provided that if the licensee and renewable energy generator have, in accordance with regulation 31, agreed to any improved norms, including operation and maintenance

norms, which may lead to overall reduction in the levellised tariff, such improved norms shall apply for determination of the project specific levellised tariff.

(1),— (2) Where the project specific levellised tariff, as determined under sub-regulations

- (i) exceeds the corresponding generic levellised tariff, duly adjusted for permissible rate of free power if any, determined by the Commission in relation to the control period in which the Power Purchase Agreement was approved by the Commission, the distribution licensee shall have the option to exit from the power purchase agreement, provided that this option shall not be available to the distribution licensee if the renewable energy generator agrees to a tariff corresponding to the generic levellised tariff;
- (ii) is less than 95% of the corresponding generic levellised tariff, duly adjusted for permissible rate of free power if any, determined by the Commission in relation to the control period in which the Power Purchase Agreement was approved by the Commission, the renewable energy generator shall have the option to exit from the power purchase agreement, provided that this option shall not be available to the renewable energy generator if the distribution licensee agrees to keep the tariff within the aforesaid limit.

(3) Where the exit option is exercised by any party under sub-regulation (2) and the interconnection point for that project falls under the control of the distribution licensee, it shall, on request from the renewable energy generator, provide open access through its system to the renewable energy generator as per the open access regulations.

15. Tariff for residual period after sale/purchase under REC mechanism.—(1) In cases where, after sale/purchase of net saleable energy to/by the licensee as per the power purchase agreement approved by the Commission under REC mechanism in the mutually agreed initial period(s), the net saleable energy for the residual period of the useful life of the project is to be sold to the distribution licensee under long term Power Purchase Agreement, the tariff for sale/purchase of net saleable energy during such residual period shall, save as provided in sub-regulations (2) and (3), be regulated as under:-

- (A) If the first Power Purchase Agreement for sale/purchase of power under REC mechanism from a SHP was executed by the parties and /or approved by the Commission before the commencement of these Regulations-
 - (a) where the capacity of the SHP does not exceed 5 MW, the tariff shall be ₹ 2.95 per kWh and such rate shall be subject to adjustment in accordance with relevant orders of the Commission under which the rate of ₹ 2.95 per kWh was determined under the HPERC (Power Procurement from Renewable Sources and Co-generation by Distribution Licensee) Regulations, 2007;
 - (b) where the capacity of the SHP is more than 5 MW, the Commission may determine the project specific levellised tariff taking into consideration –
 - (i) prudent capital cost as may be admitted by the Commission which shall be further restricted to the normative capital cost allowed by the Commission for the SHPs upto 5 MW pursuant to the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from

Renewable Sources and Cogeneration by Distribution Licensee), Regulations, 2007;

- (ii) the annual capacity utilisation factor worked out on the basis of data for 75% dependable year as per approved Detailed Project Report;
- (iii) the free power (in percentage) applicable in case of the project which, for any period, shall not exceed 13% as per the Central Government Hydro Policy/Tariff Policy and shall also be subject to further restrictions in accordance with the principles enunciated in sub-regulation (3) of regulation 35.
- (iv) the norms/parameters, other than those covered under the preceeding items (i) to (iii) fixed by the Commission for the SHPs upto 5 MW under the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Cogeneration by Distribution Licensee), Regulations, 2007 which shall be considered as ceiling norms;
- (v) the liabilities relating to loan repayment, interest, depreciation etc which have been discharged or deemed as discharged during the initial period(s) in which power was being sold under REC mechanism;
- (vi) savings on account of the benefit of accelerated depreciation, if availed; and
- (vii) any other factors as the Commission may consider appropriate:

Provided that the rate so determined shall be subject to a maximum limit of ₹2.90 per Kwh.

- (B) If the first Power Purchase Agreement for sale/purchase of power to/by the licensee under REC mechanism from a SHP is approved by the Commission on or after the commencement of these Regulations and is signed thereafter, the generic levellised tariff, as determined by the Commission for the relevant category of SHPs under these Regulations, shall be applicable.
- (C) In case of projects based on renewable energy technologies, other than SHPs, the terms and conditions as may be incorporated by the Commission, to address such situations, in the terms and conditions to be fixed in accordance with regulation 17 shall be applicable.

(2) Save as provided in sub-regulation (3), in cases where any specific conditions in relation to the rate/tariff applicable for the residual period, referred to in sub-regulation(1), have been stipulated while approving the Power Purchase Agreement under REC mechanism, such conditions shall be applicable.

(3) If the circumstances so warrant, the Commission may on the merit of a case, approve the rate/tariff prevailing in any of the earlier time frames prior to the commencement of these Regulations, for sale/purchase of the net saleable energy during the residual period referred to in sub- regulation(1).

16. Capacity enhancement.—(1) Where, after the allotment of the original project, the capacity of a SHP is enhanced, with the approval of the State Government, the tariff for sale of net

saleable energy from such projects, shall be governed by the relevant provisions of sub-regulations (2) to (7).

(2) Where neither the Commission has approved, nor the parties have executed, the Power Purchase Agreement for the original capacity, the enhanced capacity shall be taken into consideration while approving or executing the Power Purchase Agreement, as the case may be.

(3) Where the Commission has approved, or the parties have otherwise executed, the Power Purchase Agreement prior to the commencement of these Regulations –

- (i) if the total capacity of the project, after enhancement, does not exceed 5 MW, the tariff applicable as per the Power Purchase Agreement for the original capacity shall be applicable for the net saleable energy for the enhanced capacity subject to adjustment in tariff on account of free power in accordance with sub-regulation (6);
- (ii) if the original capacity of the project was not more than 5 MW but the capacity, after enhancement, exceeds 5 MW, the tariff applicable as per the Power Purchase Agreement for the original capacity shall be reduced by 10% to account for the expected reduction in the expenses on normative basis and shall then be adjusted to account for the free power in accordance with sub-regulation (6) by taking into account the free power (in percentage) factored in the tariff for the original capacity as per the Power Purchase Agreement and free power (in percentage) to be allowed in the tariff:

Provided that a levelled rate based on the rate applicable as per power purchase agreement for the original capacity, adjustments under this clause, the duration of residual tariff period and the discount rate determined by the Commission under these Regulations, shall be applicable for the residual tariff period.

- (iii) if the original capacity of the project was more than 5 MW and the Power Purchase Agreement spells out the rate applicable for sale of net saleable energy, the tariff applicable as per the Power Purchase Agreement for the original capacity shall be applicable for the net saleable energy for the enhanced capacity subject to adjustment in tariff on account of free power in accordance with sub-regulation (6);
- (iv) if the original capacity of the project was more than 5 MW and the Power Purchase Agreement does not spell out the rate applicable for sale of net saleable energy, the Commission may, on joint application from the licensee and the renewable energy generator, determine the project specific levelled tariff, after accounting for the free power subject to maximum limits outlined in sub-regulation(3) of regulation 35, by duly taking into account the Policy of the State Government/ Regulations/practices prevalent in the timeframe in which the Power Purchase Agreement was executed for the original capacity, and such other factors/norms as it may consider appropriate.

(4) Where the Power Purchase Agreement for the original capacity of a small hydro project covered in these Regulations is approved and executed after the commencement of these Regulations, the generic levelled tariff as well as other associated terms and conditions applicable

for the relevant category of SHPs under which the enhanced capacity of the SHPs falls shall be applicable for the entire capacity:

Provided that if such Power Purchase Agreement for the original capacity contains provision for determination of project specific levellised tariff, the Commission may, on application from both the parties, determine the project specific levellised tariff by taking into account the norms applicable for the category of SHPs in which the enhanced capacity of the project falls.

(5) Where the Power Purchase Agreement has been executed for the original capacity and the renewable energy generator sells energy, under the relevant Regulations governing REC mechanism, to the distribution licensee from the additional capacity under REC mechanism with a provision to sell such energy to the licensee for the balance part of the tariff period after exit from the REC mechanism, the following provisions shall apply :-

- (i) the tariff for the entire net saleable energy for the residual part of the tariff period shall be fixed/determined in accordance with sub regulation (3) or (4), as the case may be;
- (ii) during the interim period when the energy is sold partly under the Power Purchase Agreement for the original capacity and partly through the REC mechanism-
 - (a) unless provided otherwise in the Power Purchase Agreement for the original capacity, the tariff applicable for the original capacity shall not be subject to any adjustment, on account of variation in free power, under sub-regulation (6),
 - (b) the total net saleable energy shall be apportioned in a firm ratio on the basis of original capacity and the enhanced capacity.

(6) In the cases covered by sub-regulations (3), (4) and clause (i) of sub-regulation (5), the tariff shall be adjusted on account of variation in the free power in accordance with sub-regulations (2) and (3) of regulation 35:

Provided that in case capacity enhancement is approved by the State Government, the percentage rate of free power undergoes change due to-

- (i) any change in general policy during the intervening period between the dates of execution of Implementation Agreements for the original capacity and the Supplementary Implementation Agreement for the enhanced capacity, e.g. on account of Local Area Development, change in basic rates, change in the category of the project based on the capacity etc; or
- (ii) additional free power specifically for enhancement of capacity;

the variations in free power on account of item (i) shall only be considered for adjustment in tariff as per sub-regulations (2) and (3) of regulation 35, but additional free power for capacity enhancement as per item (ii) shall not be considered for tariff adjustment.

(7) Where the parties fail to arrive at an understanding for sale/purchase of energy in the manner specified in sub-regulations (3) to (6), the right of the distribution licensee for the net saleable energy as per the original Power Purchase Agreement, duly taking into account the data

contained in the Detailed Project Report for the original capacity and power generation on real time basis, shall remain protected and the renewable energy generator shall be eligible to dispose off only the net incremental saleable energy (i.e. after duly adjusting the licensee's first right as aforesaid and the total quantum of free energy for the enhanced capacity of the Project):

Provided that in such a case, the renewable energy generator shall also arrive at an understanding with the distribution licensee about the modalities for energy accounting on real time basis as well as on monthly and annual basis and based on the same, the renewable energy generator shall also make the distribution licensee a party to any such agreement for disposal of such incremental energy:

Provided further that in case the licensee and the renewable energy generator mutually agree to purchase/sell the net incremental saleable energy at a specific rate and jointly make an application to the Commission for determination of such rate, the Commission may determine the specific levelled rate for such net incremental saleable energy as per the provisions of this sub-regulation and by taking into account the provisions of the regulations/practices prevalent in the time frame during which the capacity enhancement was permitted by the State Government.

(8) Where, after the Commission has approved the power purchase agreement for sale of power from a project based on a renewable technology other than SHP, the capacity of the project is enhanced, the tariff for sale of net saleable energy from such project shall be governed by such terms and conditions as may be included by the Commission, to address such situations, in the terms and conditions fixed by it under regulation 17.

17. Tariff for renewable energy projects, other than small hydro projects.—(1) The renewable energy projects, other than SHPs, may include the following:-

- (i) Wind power project;
- (ii) Biomass power project based on Rankine cycle technology;
- (iii) Non-fossil fuel based co-generation project;
- (iv) Biomass gasifier based power project;
- (v) Municipal Solid waste projects;
- (vi) Solar PV and solar thermal power projects,
- (vii) Hybrid projects other than Hybrid solar thermal power plants including renewable-renewable or renewable-conventional sources, for which renewable technology is approved by the MNRE;
- (viii) Biomass project other than that based on Rankine cycle technology application with water cooled condenser;
- (ix) any other renewable energy technology which may be approved by the MNRE.

(2) Where the technological specific parameters and other terms and conditions, including the tariff period and useful life of the project, have not been specified, the Commission may, by an order, at any time and at such intervals as it considers appropriate to do so, fix the same.

Provided that in case of renewable technologies other than SHPs such parameters and terms conditions may also include other suitable provisions as the Commission may feel necessary to address the situations covered under regulations 15 and 16.

Provided further that the Commission shall follow the technology specific parameters, as notified, or as may be notified, from time to time by the Central Commission for the relevant technology as ceiling parameters and may make such deviations (leading to overall reduction in tariff) as may be considered appropriate by it:

Provided further that the financial norms, except for capital cost, as specified under Chapter-IV of these Regulations shall also be considered as ceiling norms.

(3) The Commission may, after having fixed the norms/ parameters and other related terms and condition as per sub-regulation (2), determine, by order generic levellised tariff(s) for any or all categories of such renewable energy technology(ies).

(4) The renewable energy generator and the distribution licensee intending to sell/purchase power from the projects based on the renewable energy sources (other than the SHPs) for the entire useful life of the project, may, at the time of filing joint petition for the approval of the power purchase agreement, mutually agree to be governed by the generic levellised tariff, if determined by the Commission for that technology, or for determination of project specific tariff by the Commission.

(5) In order to facilitate execution of the Power Purchase Agreements by the distribution licensee with the renewable energy generator, the Commission may, subject to mutual agreement between the parties, allow, or otherwise direct, the parties to incorporate in the Power Purchase Agreement-

- (i) a provisional tariff based on the generic levellised tariff, if any, notified by the Central Commission for that technology(ies), for the relevant timeframe, or any other rate as may be considered appropriate by the Commission;
- (ii) other related terms and conditions including the maximum permissible variations in the provisional tariff;
- (iii) any deviations from financial norms as may be mutually agreed by the parties under regulations 31 and 41; and
- (iv) any other conditions as may be considered appropriate by the Commission.

18. Petition and proceedings for determination of project specific levellised tariff.—(1) Where the renewable energy generator and the licensee have mutually agreed, in the Power Purchase Agreement, for the determination of project specific levellised tariff, the renewable energy generator may file, on any date falling between ninety (90) days to one hundred and eighty (180) days before the expected date of commencement of operation of the project, the petition for determination of the project specific levellised tariff in accordance with the Conduct of Business Regulations which shall, apart from such fee as specified by the Commission, be accompanied by-

- (a) a copy of the mutual agreement between the parties for project specific determination of tariff and the conditions, if any;
- (b) the detailed breakup of capital expenditure incurred and to be incurred for completing the works covered in the original scope of works or for discharging the outstanding liabilities in respect of the completed works and tariff calculations etc. as per the formats as may be laid down by the Commission from time to time;
- (c) the detailed project report outlining technical, operational data, capacity utilisation factor, site specific aspects, premise for capital cost and financing plan and in case of SHPs hydrological data for 75% dependable year;
- (d) a statement of all applicable terms and conditions and annual expenses as per these Regulations;

- (e) a statement containing full details of calculation of any subsidy, incentives and grant or budgetary support received, due or assumed to be due, from the Central Government and/or State Government. This statement shall also include the proposed tariff calculated with and without the benefit of accelerated depreciation in accordance with regulation 21 ; and
- (f) electronic formats and soft copy of other details submitted;
- (g) requirements of additional data relevant to the agreement in pursuance of which the project specific determination is sought;
- (h) any other information as the Commission may require the petitioner(s) to submit.

(2) The Commission may, during the pendency of the petition filed under sub-regulation (1), allow, on such terms and conditions as it may consider necessary, a provisional tariff not exceeding the generic levellised tariff applicable to the relevant category.

19. Review of tariff.—(1) Save as provided in sub-regulations (2) and (3), the generic levellised tariff or project specific levellised tariff, as the case may be, determined in accordance with the provisions of these Regulations shall be firm and shall not be subject to any review.

(2) Impact of any change(s) in the rate of free power under the general policy for allotment of sites, but only to the extent permitted under regulation 35 and further within the limit of 13% as per the National Tariff Policy and/or National Hydro Policy, shall be payable/adjustable as per the provisions of regulations 35.

(3) If, after the determination of the generic levellised tariff for the control period or the project specific levellised tariff for a project,-

- (i) a water cess or tax on generation is levied which impacts all or any of the projects; and/or
- (ii) the limit of 13% for the pass through of free power in the tariff, as per the National Hydro Policy/ Tariff Policy is revised; and/or
- (iii) the mechanism or quantum of the capital subsidy or budgetary grant mentioned in regulation 21 is changed as a matter of policy; and/or
- (iv) the State Government revises its instructions with regard to the minimum flow of water downstream of diversion structure of the SHPs and implements the same;

the Commission may, suo motu or on an application made to it, by generic or specific order, review the tariff for the residual tariff period or such other part as it may deem fit, for the projects or group of projects actually impacted, to account for the impact of such changes:

Provided that while revising the tariff, the Commission may incorporate such terms and conditions, including the period for which such revised tariff shall be applicable, as it may deem fit.

CHAPTER-IV

FINANCIAL PRINCIPLES

20. Capital Cost.—(1) The norms for the capital cost in case of SHPs shall be as specified in Chapter-V of these Regulations and in case of other renewable technologies, shall be as stipulated under relevant orders of the Commission under regulation 17.

(2) The norms for the capital cost shall be inclusive of all the expenses required to be incurred as per prudent practices upto the commissioning of the project, including, but not limited to, the

cost of capital works, land, preparation of the Detailed Project Report, Survey and Investigation, plant and machinery, civil works, erection and commissioning, financing and interest during construction, land acquisition, resettlement and rehabilitation, statutory and non-statutory clearances and evacuation infrastructure up to inter-connection point (also including interconnection facilities), insurance charges against the risks during construction stage etc and also all taxes, levies and duties on all such components/works capital works:

Provided that any cost pertaining to allotment of the project, including upfront premium and any other amount charged by the State Government while granting extension or capacity enhancement or/and any liquidated damages/penalty imposed in accordance with the Power Purchase Agreement executed with the licensee, will not form part of the capital cost:

Provided further that for project specific tariff determination, the renewable energy generator shall submit the itemwise break-up of capital cost along with its petition in the manner specified under regulation 18 and the capital cost admitted by the Commission shall be taken into consideration.

21. Subsidy or incentive or grant/budgetary support by the Central/State Government.—(1) While determining the generic levellised or project specific levellised tariff, as the case may be, for the renewable energy project(s) under these Regulations, the Commission shall take into consideration any incentive and/or subsidy and/or grant available under the schemes of the Central or State Government or its agencies, including accelerated depreciation benefit under the Income Tax Act:

Provided that for tariff determination, 90% of the capital subsidy available to the project as per applicable scheme of the MNRE/ State Government shall be considered:

Provided further that the Commission may evolve suitable mechanisms for incorporating impact of the subsidy component for determination or adjustment of generic levellised tariffs for various categories of projects:

Provided further that the capital subsidy under the schemes of the Central or State Government or its agencies, shall, unless the circumstances otherwise warrant, be ordinarily adjusted against the principal component of the loan amount as additional reduction apart from the normal payment:

Provided further that where the Central Government or the State Government notifies or has notified any generation based incentive (GBI) scheme for a particular kind of renewable technology, such technology based generating station shall be assumed to have availed the benefit of such a scheme and their tariffs shall automatically be treated as reduced by the amount of generation based incentive (GBI) per unit for the period during which such incentive remains applicable.

(2) Where any additional grant or budgetary support is available to any project, apart from the incentive and/or subsidy and/or grant available under sub-regulation (1) of this regulation, the Commission shall account for 100% of such budgetary support, while determining project specific levellised tariff.

(3) The amount of subsidy shall be considered for each renewable source as per the applicable policy of the MNRE/State Government and if the amount and/or mechanism of subsidy is changed by the MNRE/State Government, consequent corrections in tariffs may be carried out by the Commission in accordance with regulation 19.

(4) The Commission shall determine two generic levelled tariffs or project specific levelled tariffs, as the case may be, one by considering accelerated depreciation and the other without it, and the tariff to any renewable energy generator shall be applicable as provided in succeeding sub-regulation(5):

Provided that for ascertaining income tax benefits on account of accelerated depreciation for the purpose of tariff determination-

- (a) assessment of benefit shall be based on normative capital cost or the cost admitted, as the case may be, accelerated depreciation rate, as per relevant provisions under the Income Tax Act and the Corporate Tax rate;
- (b) in case of generic levelled tariff, capitalisation of renewable energy projects shall be considered during second half of the financial year and in case of project specific levelled tariff, the expected date of commencement of operation of the project shall be considered;
- (c) per unit benefit shall be derived on levelled basis at the discount factor equivalent to the post tax weighted average cost of capital.

(5) It shall be assumed that the renewable energy generator shall avail the benefit of accelerated depreciation and accordingly the tariff, which accounts for the accelerated depreciation, shall be applicable unless the renewable energy generator establishes, to the satisfaction of the distribution licensee, that he has not availed or is not entitled to such a benefit.

22. Debt-Equity Ratio.—(1) The normative debt equity ratio shall be 70:30.

(2) For generic levelled tariff, the Commission shall adopt debt equity ratio of 70:30.

(3) For project specific levelled tariff, the following provisions shall apply –

- (i) if the equity actually deployed is more than 30% of the capital cost admitted by the Commission under regulation 14, the equity deployed in excess of 30% limit shall be treated as normative loan in accordance with the National Tariff Policy and shall be deemed as advanced at the weighted average rate of interest and for a weighted average tenor of the long term debt component of the project after ascertaining the reasonableness of the interest rates and taking into account the effect of debt restructuring, if any;
- (ii) in case the equity deployed is equal to or below the normative level of 30%, the actual equity would be used for determination of Return on Equity in tariff computations.
- (iii) the equity invested in foreign currency, if any, shall be designated in Indian rupees on the date of each investment.

Explanation.—For the purposes of return on equity, any resources available to the renewable energy generator from its share premium account or from its internal resources that are used to fund the equity commitments of the project under consideration shall be treated as equity subject to the limitations contained in this regulation and regulation 25.

(4) The Commission shall treat any incentive or subsidy and/or grant/budgetary support available from the MNRE/State Government, to the extent specified under regulation 21, to have been utilized towards pre-payment of debt in such phases as it may deem fit, leaving balance loan to be considered for determination of tariff.

23. Loan and Finance Charges.—(1) For the purpose of determination of tariff, loan tenure of 12 years, inclusive of moratorium period, if any, shall be considered:

Provided that the capital subsidy admissible to the renewable energy generator shall normally be considered for the reduction of loan period and such reduced loan tenure shall be considered for the purpose of tariff determination.

(2) Interest Rate-

- (a) The loan arrived at in the manner indicated in regulation 22 shall be considered as gross normative loan for calculation for interest on loan. The normative loan outstanding as on April 1st of every financial year shall be worked out by deducting the cumulative repayment, inclusive of the prepayment, upto March 31st of the previous financial year from the gross normative loan on normative basis.
- (b) For the purpose of computation of tariff, the Average of State Bank of India Base rate(s) prevalent during a period of 6 months preceding the date of commencement of these Regulations, plus 300 basis points shall be considered as the normative interest rate.
- (c) Notwithstanding any moratorium period availed by the renewable energy generator, the repayment of loan shall be considered from the first year of the tariff period and shall be equal to the annual depreciation allowed.
- (d) The loan repayment for a financial year or the relevant part period thereof shall be considered to have been done in the middle of that financial year or the relevant part period thereof, as the case may be.

24. Depreciation.—For the purpose of tariff determination, depreciation shall be computed in the following manner, namely:-

- (a) the value base for the purpose of depreciation shall be the normative capital cost (for generic tariff) or the capital cost of the project as admitted by the Commission (for project specific tariff), as the case may be;
- (b) the salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset;
- (c) depreciation per annum shall be based on 'Differential Depreciation Approach'. For tariff purposes, the depreciation shall be allowed @ 5.83 % per annum till such time the requirement for repayment of loan component of the capital cost as per regulations 20, 22 and 23 after adjusting the amount of subsidy as per regulation 21, is fully provided and the remaining depreciation shall be spread over the residual useful life of the project on straight line method;
- (d) depreciation shall be chargeable from the first year of commencement of operation of the project:

Provided that in case of operation of the asset for part of the year, depreciation shall be charged on pro rata basis for the purposes of project specific determination of tariff.

25. Return on Equity.—(1) The value base for the equity shall be 30% of the normative capital cost as determined under regulation 20:

Provided that in case of project specific determination, the value base of equity shall be restricted to the actual amount of equity or 30% of the capital cost admitted by the Commission, whichever is lower, in accordance with the provisions of regulation 22.

- (2) The normative return on Equity shall be -
 - (a) 19% per annum for the first 10 years.
 - (b) 22% per annum from 11th year onwards.

26. Interest on working capital.—(1) The working capital requirement in respect of wind energy projects, small hydro power, solar PV and solar thermal projects shall be computed in accordance with the following: -

- (a) operation and maintenance expenses for one month;
- (b) receivables equivalent to 2 (two) months of energy charges for sale of electricity calculated on the net saleable energy corresponding to the CUF considered for tariff determination on normative basis;
- (c) maintenance spare @ 15% of operation and maintenance expenses.

(2) The working capital in respect of biomass power and non-fossil fuel based cogeneration projects shall be computed in accordance with the following:-

- (a) fuel cost for four months equivalent to normative PLF.
- (b) operation and maintenance expenses for one month;
- (c) receivables equivalent to 2 (two) months of energy charges for sale of electricity calculated on the net saleable design energy on normative basis;
- (d) maintenance spare @ 15% of operation and maintenance expenses.

(3) In case of the renewable technologies not covered in sub-regulations (1) and (2), the Commission may adopt such norms, as it may consider appropriate, at the time of determination of tariff.

(4) Interest on working capital shall be the interest rate equivalent to average of SBI Base Rate (s) prevalent during the period of 6 months preceding the date of commencement of these Regulations, plus 350 basis points.

27. Operation and maintenance expenses.—(1) Operation and maintenance expenses mean the expenditure incurred on operation and maintenance of the project, or part thereof, and includes, without limitation, the expenditure on manpower, establishment (including employees expense, administrative and general expenses), repairs, spares, consumables, insurance and overheads as well as the taxes, duties and other levies on any or all such activities.

(2) Operation and maintenance expenses shall be determined for the tariff period based on normative operation and maintenance expenses specified in Chapter-V of these Regulations for the SHPs and as stipulated in relevant orders of the Commission for other renewable technologies.

(3) Normative O&M expenses allowed under these Regulations shall be escalated at the rate of 5.72% per annum over the tariff period.

28. Taxes and duties.—Tariff determined under these Regulations shall be inclusive of all taxes and duties and shall not be subject to any change except for the provisions specified under regulation 19.

29. Rebate.—(1) The due date for payment of bills shall be 60 days from the date of billing.

(2) For payment of bills of the renewable energy generator through letter of credit, a rebate of 2% shall be allowed.

(3) Where payments are made other than through letter of credit within a period of one month of presentation of bills by the renewable energy generator, a rebate of 1% shall be allowed.

30. Late payment surcharge.—In case the payment of any bill for charges payable under these Regulations is delayed beyond a period of 60 days from the date of billing, a late payment surcharge at the simple interest rate of 1.25% per month shall be levied by the renewable energy generator for the actual number of days by which the payment is delayed.

31. Ceiling norms.—The financial norms, except for capital cost, as specified in this Chapter of these Regulations, shall be considered as ceiling norms and the same shall not preclude the licensee or renewable energy generator from agreeing to improved norms, including operation and maintenance norms, which may lead to overall reduction in the levellised tariff and in case the improved norms are agreed to, such improved norms shall be applicable for determination of the project specific levellised tariff.

CHAPTER –V

TECHNOLOGY SPECIFIC PARAMETERS FOR SMALL HYDRO PROJECTS

32. Categorisation.—For the purpose of tariff determination, the SHPs shall be categorised as under:-

(i)	Above 100 kW to 2 MW capacity
(ii)	Above 2 MW to 5 MW capacity
(iii)	Above 5 MW to 25 MW capacity

33. Normative Capital cost.—(1) In case of SHPs, the normative capital cost inclusive of all its components as specified in regulation 20 of these Regulations, for the control period shall be as under:-

S.No.	Category of small hydro project	Rupees in Lac per MW
(i)	Above 100 kW to 2 MW capacity	780
(ii)	Above 2 MW to 5 MW capacity	750
(iii)	Above 5 MW to 25 MW capacity	700

(2) The subsidy/grant/budgetary support or incentives provided by the Central/State Government shall be adjusted in accordance with the regulation 21 of these Regulations.

34. Normative saleable energy.—(1) The normative saleable energy at the interconnection point for the purpose of generic levellised tariff shall be computed on the following lines namely :-

- (i) the normative annual capacity utilisation factor (CUF) for all the SHPs upto 25 MW shall be 55%;
- (ii) the normative annual energy worked out at the normative CUF under preceding clause (i) for the installed capacity shall be adjusted for the auxiliary consumption, transformation losses and the losses in the project line(s) at the normative rates as per regulations 36 and 37.
- (iii) The energy worked out under preceding clause (ii) shall be further reduced by the permissible rate of the free power subject to a maximum of 13%, for any year or part thereof, consistent with the National Hydro Policy, Tariff Policy and the policy of the State Government for allotment of sites of SHPs in the manner as laid down in regulation 35, so as to arrive at the yearwise normative net saleable energy at the interconnection point which shall be taken into account for working out the generic levellised tariff.

(2) The normative capacity utilization factor (CUF) under clause (i) of sub-regulation(1) takes into account the impact of mandatory release of water discharge immediately downstream of diversion structure of the project based on the existing instructions of the State Government which provide that for the purpose of determination of minimum discharge, the threshold value not less than 15% of the minimum inflow observed in the lean season shall be considered.

(3) The normative year wise net saleable energy for the purpose of project specific tariff determination shall also be worked out on similar lines given in sub-regulations (1) and (2) but by taking into account the annual Capacity Utilisation Factor (CUF) in accordance with clause (ii) of sub-regulation (1) of regulation 14, the normative auxiliary consumption and transformation losses under regulation 36 and the energy losses in the project line under regulation 37.

35. Free Power.—(1) The Commission shall consider appropriate structure(s) of free power for determination of generic levellised tariffs for various categories of SHPs, as mentioned in Regulation 32, duly keeping in view of the provisions of the State Hydro Policy for allotment of sites for SHPs, National Hydro Policy, Tariff Policy and the limits specified under sub-regulation (3):

Provided that in cases requiring determination of the project specific tariff, the Commission shall consider the structure of free power actually applicable to that project subject to the above and the limits specified in sub-regulation(3).

(2) In case of any change in the structure of free power for a SHP from that considered for the determination of generic levellised tariff or project specific levellised tariff in accordance with sub-regulation (1) or in cases where the adjustment in tariff on account of variation in free power has to be allowed as per the specific provisions contained in these Regulations, including those covered in regulation 16 and sub-regulation (2) of regulation 19, the distribution licensee shall adjust the tariff as per the following formula:-

$$\begin{array}{l} \text{Rate payable} \\ \text{for the month} \\ \text{for the net} \\ \text{saleable} \\ \text{Energy} \\ \text{(Rs./kWh)} \end{array} = a \times \frac{(100- b)}{(100-c)}$$

Where, -

“a” is the levellised tariff (in Rs/kWh) which is required to be adjusted under this regulation

“b” is the free power (in percentage) taken into account or deemed as taken into account for the month, in “a” in the corresponding month of the tariff period by reckoning the date of commencement of operation of the project as the starting date of the tariff period.

“c” is the free power (in percentage) to be allowed in the tariff for the month subject to maximum limit of 13% free power(energy) and the provisions of sub- regulation (3)

Where free power is applicable at different rates for different parts of a month, the permissible free power (i.e “c”) shall be determined under this sub-regulation separately for each such part and weighted average rate for the month as a whole shall be worked out by considering the total quantum of energy for each day of the month.

(3) The free power (in percentage) to be taken into consideration for the purpose of determination of tariff under sub-regulation (1) and/or any adjustment under sub-regulation (2) shall be subject to the following: -

- (i) The free energy to be taken into account for any part of the tariff period for the purposes of sub-regulation (1), or to be allowed for any part of the tariff period for the purposes of sub-regulation (2), shall not exceed 13% free power(energy) which includes 12% free power to home State and 1% additional free power for Local Area Development Fund, as stipulated in the National Hydro Policy/ Tariff Policy.
- (ii) Any quantum of free energy, if committed by the renewable energy generator over and above the 13% free power(energy) for any period shall not be factored into the tariff.
- (iii) Additional free energy, if any, to be provided by the renewable energy generator to the State Government, on account of curtailment of waiver period due to delay in commissioning of project as per provisions of Implementation Agreement and/or for enhancement of capacity and/or for any reason attributed to the renewable energy generator shall not be taken into account even if the total free power for any period, including such additional free power, does not exceed 13% free power(energy).
- (iv) The quantification and adjustment of free energy as well the energy accounting shall be made with reference to the energy projected/received at the interconnection point.
- (v) The free energy to be allowed for any period for the purpose of sub-regulation (2) shall in no case be more than that actually deducted for that period in the energy accounts, out of the total energy received at the interconnection point.

36. Auxiliary consumption and transformation losses.—Normative auxiliary consumption and transformation losses for the SHPs shall be 0.5% of the gross generation and the same for transformation losses at the switchyard linked to the generating station of the projects shall also be 0.5% :

Provided that for the sake of simplicity, these two factors shall be clubbed together and accounted for as 1% of the gross generation.

37. Energy losses.—(1) The normative energy losses in the project line(s) shall be 0.7% of the net generation (i.e. after deducting auxiliary consumption and transformation losses, on normative basis, from the gross generation).

(2) For the project specific levellised tariff, the percentage losses worked out on the basis of actual length of the project line(s), conductor size and expected power flow shall be taken into consideration.

38. Operation and maintenance expenses.—(1) Normative annual O&M expenses for the control period shall be as follows:-

S.No.	Category of Project	Annual O&M expenses Rupees in Lac per MW
(i)	Above 100 kW to 2 MW capacity	25
(ii)	Above 2 MW to 5 MW capacity	22
(iii)	Above 5 MW to 25 MW capacity	18

CHAPTER-VI

OTHER PARAMETERS

39. CDM benefits.—The proceeds of carbon credit from approved CDM project shall be retained by the renewable energy generator and shall not be adjusted in the tariff.-

40. Tariff for lower or higher generation.—The tariff based on normative quantum of net saleable energy corresponding to the normative CUF, or any other higher CUF taken into consideration for the project specific determination of tariff as per the provisions of regulation 14, as the case may be, shall be applicable for the entire quantum of net saleable energy actually achieved irrespective of whether such quantum is higher or lesser than the normative quantum of net saleable energy taken into consideration for determination of the tariff.

CHAPTER-VII

MISCELLANEOUS

41. Deviation from norms.—Tariff for sale of electricity by the renewable energy generator may also be agreed between the renewable energy generator and the licensee in deviation from the norms specified in these regulations subject to the condition that the levellised tariff over the useful life of the project on the basis of the norms in deviation does not exceed the levellised tariff determined on the basis of the norms specified in these Regulations:

Provided that the reasons for deviation from the norms specified under these Regulations shall be recorded in writing.

42. Overriding effect.—The provisions of these Regulations shall have effect notwithstanding anything inconsistent therewith contained in any other regulations, framed by the Commission, relating to the determination of tariff and/or making provisions for open access under the Act.

43. Power to remove difficulties.—If any difficulty arises in giving effect to these Regulations, the Commission may, of its own motion or otherwise, by an order, and after giving a

reasonable opportunity to those likely to be affected by such order, make such provisions, not inconsistent with these Regulations, as may appear to be necessary for removing the difficulty.

44. Power to relax.—The Commission may, by general or special order, for reasons to be recorded in writing and after giving an opportunity of hearing to the parties likely to be affected, may relax any of the provisions of these Regulations on its own motion or on an application made before it by an interested person.

45. Repeal and savings.—(1) Save as otherwise provided in these Regulations, the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Co-generation by Distribution Licensee) Regulations, 2007 shall stand repealed from the commencement of these Regulations.

(2) Notwithstanding anything contained in sub-regulation (1) the Himachal Pradesh Electricity Regulatory Commission (Power Procurement from Renewable Sources and Cogeneration by Distribution Licensee), Regulation, 2007, shall continue to be in force in such cases as are covered under the said regulations and do not fall within the scope of these Regulations.

By Order of the Commission

Sd/-
Secretary.

